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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/007,700

DATE: 12/18/2001
TIME: 16:18:48

PS

Input Set : A:\455c17.app.txt
Output Set: N:\CRF3\12182001\J007700.raw

ENTERED

4 <110> APPLICANT: Wang, Tongtong
5 Wang, Aijun
6 Skeiky, Yasir A.W.
7 Li, Samual X.
8 Kalos, Michael D.
9 Henderson, Robert A.
10 McNeill, Patricia D.
11 Fanger, Neil
12 Retter, Marc W.
13 Durham, Margarita
14 Fanger, Gary R.
15 Vedvick, Thomas S.
16 Carter, Darrick
17 Watanabe, Yoshihiro
18 Peckman, David W.
19 Cai, Feng
20 Foy, Teresa M.
24 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
25 AND DIAGNOSIS OF LUNG CANCER
28 <130> FILE REFERENCE: 210121.455C17
C--> 30 <140> CURRENT APPLICATION NUMBER: US/10/007,700
31 <141> CURRENT FILING DATE: 2001-11-30
33 <160> NUMBER OF SEQ ID NOS: 469
35 <170> SOFTWARE: FastSEQ for Windows Version 4.0
37 <210> SEQ ID NO: 1
38 <211> LENGTH: 315
39 <212> TYPE: DNA
40 <213> ORGANISM: Homo sapiens
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43 <221> NAME/KEY: misc_feature
44 <222> LOCATION: 236, 241
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49 cagctccgt gagactcccg atgtcacagg cagtcgtgt gttacagcg cccctcagtg 120
50 ttcatctcca gcagagacaa cggaggagc tccaccagg acggttctca ttatttat 180
W--> 51 gttatatgt ttgtaaactc atgtacagg ttttttgggg gggaaagcaat gggaaangta 240
W--> 52 naaattacaa atagaatcat ttgctgtaat ccttaatgg caaacggtca ggccacgtga 300
53 aaaaaaaaaa aaaaa 315
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 380
57 <212> TYPE: DNA
58 <213> ORGANISM: Homo sapiens
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62 atatatataa acaaatacaa aaagtttga gtggttcagc ttttttattt ttttaatgg 120
63 cataacttt aacaacactg ctctgtaatg gttgaactg tggtaactcag actgagataa 180

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Input Set : A:\455c17.app.txt

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64 ctgaaatgag tggatgtata gtgttattgc ataattatcc cactatgaag caaaggact 240
 65 ggataaaattc ccagtctaga ttattagctt ttgttaacca tcaagcacct agaagaagaa 300
 66 ttattggaaa ttttgcctc tgtaactggc actttgggt gtgacttatac tttgcctt 360
 67 gaaaaaaaaaaaaaaa 380
 69 <210> SEQ ID NO: 3
 70 <211> LENGTH: 346
 71 <212> TYPE: DNA
 72 <213> ORGANISM: Homo sapiens
 74 <220> FEATURE:
 75 <221> NAME/KEY: misc_feature
 76 <222> LOCATION: 316, 317, 318, 322, 323, 326, 329, 330, 331, 336, 337, 339,
 77 340, 342, 343
 78 <223> OTHER INFORMATION: n = A,T,C or G
 80 <400> SEQUENCE: 3
 81 ttgttaaggat acaatttttag aaaggattaa atgttattga tcattttact gaatactgca 60
 82 catcctcacc atacaccatc cactttccaa taacatttaa tcctttctaa aattgttaagt 120
 83 atacaatttg actttcttg gattttcata acaaataac catagactgt taattttatt 180
 84 gaagtttcct taatggatg agtcattttt gtcttgcgt tttgaggtt cctttgcctt 240
 85 gacttccac aatttgcata tatagtgtt agctgtggaa atctttaagt ttattctata 300
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 88 <210> SEQ ID NO: 4
 89 <211> LENGTH: 372
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Homo sapiens
 93 <220> FEATURE:
 94 <221> NAME/KEY: misc_feature
 95 <222> LOCATION: 297, 306, 332
 96 <223> OTHER INFORMATION: n = A,T,C or G
 98 <400> SEQUENCE: 4
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 100 tggtttgggtt tggtttttg aactggatg taggggtgggtt cacagttcta atgttaagcac 120
 101 tctcttcctcc aagttgtgtctt ttgtggggac aatcattttt tgaacattag agaggaaggc 180
 102 agttcaagct gttgaaaaga ctattgttta tttttgtttt taaagaccta cttgacgtca 240
 W--> 103 tgcgttggacagt gcacggtgcct tacgctacat cttgttttctt aggaagaagg ggtatgcnggg 300
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 105 aaaacaaaaaac aa 372
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 109 <212> TYPE: DNA
 110 <213> ORGANISM: Homo sapiens
 112 <220> FEATURE:
 113 <221> NAME/KEY: misc_feature
 114 <222> LOCATION: 8, 345, 422, 430, 433, 436, 438, 472, 481, 486, 515, 521,
 115 536, 549, 553, 556, 557, 559, 568, 593, 597, 605, 611, 613,
 116 616, 618, 620, 628, 630, 632, 634, 635, 639, 643, 647, 648,
 117 649, 652, 654, 658, 664, 690
 118 <223> OTHER INFORMATION: n = A,T,C or G
 120 <400> SEQUENCE: 5
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122 ccttaaccag gttaactgca agaagaggcg ggatacttc agctttccat gtaactgtat 120
 123 gcataaagcc aatgtatgcc agtttctaaat atcatgttcc aagctaaatc aatcccaatt 180
 124 caatacacac tcatgaactc ctgatggAAC aataacaggc ccaaggctgt ggtatgtatgt 240
 125 gcacactgtc tagactcaga aaaaatacta ctctcataaa tgggtggag tattttgggt 300
 W--> 126 gacaacccat tttgcttggc tgagtgaagg aatgatattc atatnttcatt ttattccatg 360
 127 gacatTTAGT tagtgctttt tatataccag gcatgatgtc gagtgacact cttgtgtata 420
 W--> 128 tntccaaatn ttngtncngt cgctgcacat atctgaaatc ctatattaag antttccaa 480
 W--> 129 natgangtcc ctggtttttcc acggccactt gatcngtcaa ngatctcacc tctgtntgtc 540
 W--> 130 ctaaaacnt ctncnnang gttagacngg acctcttcc tcccttcccg aanaatnaag 600
 W--> 131 tgtgngaaga nanccncncn ccccccncn tncnnctng ccngctnnnc cncntgtngg 660
 W--> 132 gggngccccc cccgcggggg gaccccccnn tttcccc 698
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 135 <211> LENGTH: 740
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 137 <213> ORGANISM: Homo sapiens
 139 <220> FEATURE:
 140 <221> NAME/KEY: misc_feature
 141 <222> LOCATION: 82, 406, 426, 434, 462, 536, 551, 558, 563, 567, 582, 584,
 142 592, 638, 651, 660, 664, 673, 675, 697, 706, 711, 715, 716,
 143 717, 723, 724, 725, 733
 144 <223> OTHER INFORMATION: n = A,T,C or G
 146 <400> SEQUENCE: 6
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 W--> 148 catgtttatc ttttattatg tnttgtgaag ttgtgtcttt tcactaatta cctatactat 120
 149 gccaatattt ctttatattt atccataaca ttataactac attttaaga gaatatgcac 180
 150 gtgaaactta acactttata aggtaaaaat gagtttcca agatttata atctgatcaa 240
 151 gttcttggta ttccaaata gaatggactt ggtctgttaa ggggctaagg gagaagaaga 300
 152 agataagtt aaaagttgtt aatgacccaa cattctaaaa gaaatgcaaa aaaaaattta 360
 W--> 153 ttttcaagcc ttcaactat ttaagggaaag caaaatcatt tcctanatgc atatcatttg 420
 W--> 154 tgaganttc tcantaatat cctgaatcat tcatttcagc tnaggctca tggtgactcg 480
 W--> 155 atatgtcatc tagggaaagt ctatttcatg gtccaaacct gttgccatag ttggtnaggc 540
 W--> 156 ttccctttaa ntgtgaanta ttacangaa attttcttt tnanagtct tnatagggtt 600
 W--> 157 aggggtgtgg gaaaagcttc taacaatctg tagtgttncg tggtatctgt ncagaaccan 660
 W--> 158 aatnacggat cgnangaagg actgggtcta ttacangaa cgaatnatct ngttnnntgt 720
 W--> 159 gtnnncaact ccngggagcc 740
 161 <210> SEQ ID NO: 7
 162 <211> LENGTH: 670
 163 <212> TYPE: DNA
 164 <213> ORGANISM: Homo sapiens
 166 <220> FEATURE:
 167 <221> NAME/KEY: misc_feature
 168 <222> LOCATION: 265, 268, 457, 470, 485, 546, 553, 566, 590, 596, 613, 624,
 169 639, 653, 659, 661
 170 <223> OTHER INFORMATION: n = A,T,C or G
 172 <400> SEQUENCE: 7
 173 gctggggagc tcggcatggc ggtccccgt gcagccatgg ggccctcggc gttgggccag 60
 174 agcgcccccg gctcgatggc cccgtggc tcagttagca gcggcccgctc gcgctacgtg 120
 175 cttggatgc aggagctgtt ccggggccac agcaagaccg cgagttctgt gcgcacagcg 180
 176 ccaagggtgca ctggatggcc tggagttgcg acggcgatcg cctacctcgac 240

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W--> 177 aagacgccac gtcttcttgc tgganaaanga ccgttggta aagaaaaacaa ttatcgaaaa 300
 178 catggggata gtgtggacca ctttggggc atccaagtaa tcctgaccta tttgttacgg 360
 179 cgtctggaga taaaaccatt cgcatctggg atgtgaggac tacaaaatgc attgccactg 420
 W--> 180 tgaacactaa aggggagaac attaataatct gctggantcc tcatggggcan accattgctg 480
 W--> 181 tagcnacaag gatgatgtgg tgactttatt gatgccaaga aaccccggtc caaagcaaaa 540
 W--> 182 aaacantcc aanttcgaag tcaccnaaat ctctggaaac aatgaacatn aatatnttct 600
 W--> 183 tcctgacaat ggncccttggg tgtntcacat cctcagctnc cccaaaactg aancctgtnc 660
 W--> 184 natccacccc 670
 186 <210> SEQ ID NO: 8
 187 <211> LENGTH: 689
 188 <212> TYPE: DNA
 189 <213> ORGANISM: Homo sapiens
 191 <220> FEATURE:
 192 <221> NAME/KEY: misc_feature
 193 <222> LOCATION: 253, 335, 410, 428, 448, 458, 466, 479, 480, 482, 483, 485,
 194 488, 491, 492, 495, 499, 500, 502, 503, 512, 516, 524, 525,
 195 526, 527, 530, 540, 546, 550, 581, 593, 594, 601, 606, 609,
 196 610, 620, 621, 622, 628, 641, 646, 656, 673
 197 <223> OTHER INFORMATION: n = A,T,C or G
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 201 aaatgaagta ctggatttgg gaaaaacctgg ttttattaga acatatgaa tgaaggccta 120
 202 cacctagcat tgccctactta gccccctgaa ttaacagagc ccaattgaga caaaccctg 180
 203 gcaacagaa attcaaggaa gaaaaaagtaa gcaacttggg cttagatgag ctgactccct 240
 W--> 204 tagagcaaag ganagacage cccccattacc aaataccatt ttgccttgg gcttgtgcag 300
 W--> 205 ctggcagttt tcctgccccca gcatggcacc ttatngttt gatagcaact tcgttgaatt 360
 W--> 206 ttcaccaact tattacttga aattataata tagcctgtcc gtttgcgttn tccaggctgt 420
 W--> 207 gatatatntt ccttagtgggt tgactttnaa aataaaatnag gtttantttt ctccccccnn 480
 W--> 208 cnntnctncc nntcnctcnnc cnntcccccc cnctcngtcc tccnnnnntn gggggggccn 540
 W--> 209 ccccccnccgn ggaccccccctt ttggtccctt agtggagggtt natggccctt ggnnttaccc 600
 W--> 210 nggccntann ttccccgtt nnnaatgttt cccctccca ntcccnccac ctcaancgg 660
 W--> 211 aagcctaagt ttntaccctg ggggtcccc 689
 213 <210> SEQ ID NO: 9
 214 <211> LENGTH: 674
 215 <212> TYPE: DNA
 216 <213> ORGANISM: Homo sapiens
 218 <220> FEATURE:
 219 <221> NAME/KEY: misc_feature
 220 <222> LOCATION: 602, 632, 639, 668
 221 <223> OTHER INFORMATION: n = A,T,C or G
 223 <400> SEQUENCE: 9
 224 gtccactctc ctttggagt actgtcttac tgtgactct gttttcaac tttctagata 60
 225 taaaaaaatgc ttgttctata gtggagtaag agctcacaca cccaaaggcag caagataact 120
 226 gaaaaaaagcg aggctttttt gccaccttgg taaaggccag ttcaactgta tagaactgct 180
 227 ataaggcctga agggaaagtag ctatgagact ttccattttt ctttagttctc ccaataggct 240
 228 ccttcatgaa aaaaggcttc ctgtaataat ttccaccaa tgaattagca gtgtgattat 300
 229 ttctgaaata agagacaaat tggggcccgag agtcttccctg tgatttaaaa taaacaaccc 360
 230 aaagttttgtt ttgggtcttca ccaaaggaca tactcttaggg ggtatgtgt tgaagacatt 420
 231 caaaaacatt agctgttctg tctttcaatt tcaagttatt ttggagactg cctccatgtg 480

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232 agttaattac tttgctctgg aactagcatt attgtcatta tcatacacatt ctgtcatcat 540
 233 catctgaata atattgtgga tttcccccctc tgcttgcatt tccttttgc tcctctggga 600
 W--> 234 anaaatgtca aaaaaaaagg tcgatctact cngcaaggnc catctaataca ctgcgctgga 660
 W--> 235 aggaccnct gccc 674
 237 <210> SEQ ID NO: 10
 238 <211> LENGTH: 346
 239 <212> TYPE: DNA
 240 <213> ORGANISM: Homo sapiens
 242 <220> FEATURE:
 243 <221> NAME/KEY: misc_feature
 244 <222> LOCATION: 320, 321, 322, 325, 326, 328, 329, 330, 332, 333, 334, 335,
 245 342
 246 <223> OTHER INFORMATION: n = A,T,C or G
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 250 ttctgtctgt aacaaaaatg tactttatag agatggagga aaaggtctaa tactacatag 120
 251 ccttaagtgt ttctgtcatt gttcaagtgt atttctgtt acagaaaat attttggatg 180
 252 tttttctttt ccccttataa attgtatcc ctgaaatact gctgctttaa aaagtccac 240
 253 tgtcagatata tattatctaa caattgaata ttgtaaatat acttgtctta cctctcaata 300
 W--> 254 aaagggtact ttcttattan nnagnngnnn gnnnnataaa anaaaa 346
 256 <210> SEQ ID NO: 11
 257 <211> LENGTH: 602
 258 <212> TYPE: DNA
 259 <213> ORGANISM: Homo sapiens
 261 <400> SEQUENCE: 11
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 263 gatgttaagc ttttgaaaaa gtttaggtt aacctactgt tgtaggtt atgtattttgt 120
 264 tgcttccctt tatctgaaat gttggcatat cttttttattt ttaaccctct ttaattctta 180
 265 ttcaatttcca tgacttaagg ttggagagct aaacactggg atttttggat aacagactga 240
 266 cagtttgc taatttataat cggcatttgc catagaaagg atatggctac cttttgtttaa 300
 267 atctgcactt tctaaataatc aaaaaaggaa aatgaagtta taaatcaatt tttgtataat 360
 268 ctgtttgaaa catgagttt atttgcttaa tatttagggct ttggcccttt tctgtaaatc 420
 269 tcttggatc ctgtgttagaa ctgttctcat taaacaccaa acagttaatg ccattctctg 480
 270 gtactagcta caaattcggt ttcatattct acttaacaat ttaaataaaac taaaatattt 540
 271 ctagatggc tacttctgtt catataaaaa caaaaacttgc ttccaaaaaaa aaaaaaaaaa 600
 272 aa 602
 274 <210> SEQ ID NO: 12
 275 <211> LENGTH: 685
 276 <212> TYPE: DNA
 277 <213> ORGANISM: Homo sapiens
 279 <220> FEATURE:
 280 <221> NAME/KEY: misc_feature
 281 <222> LOCATION: 170, 279, 318, 321, 322, 422, 450, 453, 459, 467, 468, 470,
 282 473, 475, 482, 485, 486, 491, 498, 503, 506, 509, 522, 526,
 283 527, 528, 538, 542, 544, 551, 567, 568, 569, 574, 576, 582,
 284 587, 588, 589, 590, 592, 593, 598, 599, 603, 605, 608
 285 <223> OTHER INFORMATION: n = A,T,C or G
 287 <221> NAME/KEY: misc_feature
 288 <222> LOCATION: 633, 634, 635, 644, 646, 648, 651, 655, 660, 662, 663, 672,

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.



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L:30 M:270 C: Current Application Number differs, Wrong Format
 L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
 L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
 L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
 L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
 L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

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L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14